## Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

## Listing of Claims:

1. (currently amended):  An apparatus for accommodating a fast change of digital streaming formats or sources in a video server system connected to one or more video display devices over a <u>digital packet-based</u> communications link, comprising:

   a video stream controller; and

   means associated with said video stream controller for<u>,</u> ~~allowing~~

   <u>establishing a connection between said video server and video display</u>
   <u>devices based on a protocol having a transport portion and a stream portion,</u>

   <u>changing</u> the format or source of a digital video stream ~~to change~~ <u>by</u>
   <u>changing the stream portion of the protocol without changing the transport</u>
   <u>portion of the protocol;</u>

   <u>wherein stream format or source is changed</u> without breaking the
   communications link to the video display device ~~and while preserving the transport~~
   ~~portion of the communications link~~.

2. (currently amended):  An apparatus as recited in claim 1, wherein said means comprises:

   a source control library;

   a streaming library;

   wherein said stream controller is connected between said source control library and said streaming library; and

wherein the <u>digital packet-based</u> communications link between an interconnected video display device and the streaming library does not change in response to a video source or video format change.

3. (original): An apparatus as recited in claim 2, wherein the source control library comprises:

a source route selection module; and

a plurality of media sources connected to the source route selection module;

wherein the source route selection module selects which media source provides data to the stream controller.

4. (original): An apparatus as recited in claim 3, wherein said media sources comprise at least two of the following:

an analog video source;

an Ethernet streaming video source; and

a hard disk drive.

5. (original): An apparatus as recited in claim 3, wherein said media sources comprise a plurality of analog video sources, and further comprising:

a plurality of analog video decoders, each analog video decoder connected to a respective analog video source;

an analog source router multiplexer connected to the analog video decoders; and

a plurality of digital compression encoders connected between the analog source router multiplexer and the source route selection module.

6. (original): An apparatus as recited in claim 3, wherein at least one of said media sources comprises an Ethernet streaming video source, and further comprising:

an Ethernet streaming video interface connected between the Ethernet streaming video source and the source route selection module.

7.   (original):   An apparatus as recited in claim 3, wherein at least one of said media sources comprises an audio/visual hard disk drive, and further comprising:

a personal video recorder/file playback module connected between the hard disk drive and the source route selection module.

8.   (original):   An apparatus as recited in claim 1, wherein the stream controller comprises:

a streaming module interface package connected to the source route selection module.

9.   (original):   An apparatus as recited in claim 8, wherein the stream controller further comprises:

a universal plug and play (UPnP) software stack connected to the streaming module interface package; and

wherein the network display terminal accesses the UPnP software stack via a network connection.

10.   (original):   An apparatus as recited in claim 1, wherein the streaming library comprises:

at least one real time streaming protocol/real time transport protocol (RTSP/RTP) streaming module connected to the streaming module interface package.

11.   (original):   An apparatus as recited in claim 10, wherein the streaming library further comprises:

at least one hypertext transfer protocol (HTTP) streaming module connected to the streaming module interface package.

12. (original):  An apparatus as recited in claim 11, wherein the streaming library further comprises:

at least one user datagram protocol (UDP) streaming module connected to the streaming module interface package.

13. (original):  An apparatus as recited in claim 12, wherein the network display terminal is connected to at least one of:  the RTSP/RTP streaming module, the HTTP streaming module, and the UDP streaming module.

14. (currently amended):  An apparatus for accommodating a change of digital streaming formats or sources in a video server system over a digital packet-based communications link, comprising:

a video stream controller configured for establishing a connection based on a protocol having a transport portion and a stream portion;

a source control library configured for changing the format or source of a digital video stream by changing the stream portion of the protocol without changing the transport portion of the protocol;

a streaming library configured for supporting the transport portion of the protocol; and

a stream controller connected between the source control library and the streaming library;

wherein a streaming connection, established between a network display terminal and the streaming library does not change in response to a video source or video format change.

15. (original):   An apparatus as recited in claim 14, wherein the source control library comprises:

a source route selection module; and

a plurality of media sources connected to the source route selection module;

wherein the source route selection module selects which media source provides data to the stream controller.

16. (currently amended): An apparatus as recited in claim 15, wherein said media sources comprise at least two of the following:

an analog video source;

an analog video source from AV equipment or cable;

a digital video source;

an Ethernet streaming video source; and

an hard disk drive.

17. (original):   An apparatus as recited in claim 15, wherein said media sources comprise a plurality of analog video source, and further comprising:

a plurality of analog video decoders, each analog video decoder connected to a respective analog video source;

an analog source router multiplexer connected to the analog video decoders; and

a plurality of digital compression encoders connected between the analog source router multiplexer and the source route selection module.

18. (original):   An apparatus as recited in claim 15, wherein at least one of said media sources comprises an Ethernet streaming video source, and further comprising:

an Ethernet streaming video interface connected between the Ethernet streaming video source and the source route selection module.

Appl. No.:     10/630,129
Amdt. Dated:   01/18/06
Off. Act. Dated:  10/18/05

19.  (original):  An apparatus as recited in claim 15, wherein at least one of said media sources comprises an audio/visual hard disk drive, and further comprising:

a personal video recorder/file playback module connected between the hard disk drive and the source route selection module.

20.  (original):  An apparatus as recited in claim 14, wherein the stream controller comprises:

a streaming module interface package connected to the source route selection module.

21.  (original):  An apparatus as recited in claim 20, wherein the stream controller further comprises:

a universal plug and play (UPnP) software stack connected to the streaming module interface package; and

wherein the network display terminal accesses the UPnP software stack via a network connection.

22.  (original):  An apparatus as recited in claim 14, wherein the streaming library comprises:

at least one real time streaming protocol/real time transport protocol(RTSP/RTP) streaming module connected to the streaming module interface package.

23.  (original):  An apparatus as recited in claim 22, wherein the streaming library further comprises:

at least one hypertext transfer protocol (HTTP) streaming module connected to the streaming module interface package.

24.  (original):  An apparatus as recited in claim 23, wherein the streaming library further comprises:

at least one user datagram protocol (UDP) streaming module connected to the streaming module interface package.

25.  (original):  An apparatus as recited in claim 24, wherein the network display terminal is connected to at least one of:  the RTSP/RTP streaming module, the HTTP streaming module, and the UDP streaming module.

26.  (currently amended):  A method for managing video streams provided by a home video server, comprising:

receiving a request for streaming content from a network display terminal;

selecting a first stream source for the streaming content;

establishing a <u>transport portion of a</u> streaming protocol connection with the network display terminal;

packetizing the streaming content from the first source according to a first ~~transport stream~~ <u>streaming</u> format;

transmitting packetized streaming <u>digital</u> content <u>over said transport portion of said streaming protocol connection</u> to the network display terminal; and

~~maintaining the streaming protocol connection and~~ preserving the transport portion of the streaming <u>protocol</u> connection with the network display terminal when a second stream source is selected, or when packetizing <u>is selected</u> according to a second ~~transport stream~~ <u>streaming</u> format ~~is selected~~.

27. (currently amended): A method as in claim 26, further comprising:

selecting a second source for the streaming content;

packetizing the streaming content from the second source; and

transmitting packetized <u>digital</u> streaming content to the network display terminal over <u>said transport portion of</u> the streaming protocol connection established to transmit the streaming content from the first source.

28.   (original):   A method as in claim 26, wherein the request for streaming content is received at a stream controller, the stream controller comprising:

a streaming module interface package; and

a universal plug and play (UPnP) software stack connected to the streaming module interface package.

29.   (original):   A method as in claim 28, wherein the request for streaming content comprises a UPnP request that is received at the UPnP software stack.

30.   (original):   A method as in claim 26, wherein a stream source is selected using a source route selection module, the source route selection module being connected to a plurality of media sources.

31.   (original):   A method as in claim 30, wherein the media sources comprise at least two of the following:

an analog video source;

an Ethernet streaming video source; and

a hard disk drive.

32.   (original):   A method as in claim 26, wherein the streaming protocol connection with the network display terminal is established via a real time streaming protocol/real time transport protocol (RTSP/RTP) streaming module.

33. (original): A method as in claim 26, wherein the streaming protocol connection with the network display terminal is established via a hypertext transfer protocol (HTTP) streaming module.

34. (original): A method as in claim 26, wherein the streaming protocol connection with the network display terminal is established via a user datagram protocol (UDP) streaming module.

35. (currently amended): A home video server system, comprising:

a home video server configured for digital packet-based communication with [[;]] at least one network display terminal ~~connected to the home video server~~;

means for receiving a request for streaming content from the network display terminal;

means for selecting a stream source for the streaming content;

means for establishing a streaming protocol connection with the network display terminal;

wherein said streaming protocol is configured with a transport portion and a stream portion; and

means for ~~maintaining an established streaming protocol connection and~~ preserving a transport portion of the streaming protocol connection with the network display terminal when the stream source or format changes.